

CLAIMS:

1. A method of determining an angle α of an external magnetic field relative to a magnetoresistive angle sensor with two full bridges which respectively supply an output signal $U_1 = U_0 \sin(2\alpha)$, $U_2 = U_0 \cos(2\alpha)$, characterized in that the angle α is determined in an analog manner using the relation $\alpha = \frac{1}{2} * ((U_1/(|U_1|+|U_2|))-1 * \text{sgn}(U_2))$.

5

2. A method as claimed in claim 1, characterized in that AMR bridges are used, in particular Wheatstone bridges.

3. A method as claimed in claim 1 or 2, characterized in that output signals of the
10 bridges are processed using analog elements.

4. The use of the method as claimed in any of claims 1 to 3 in motor vehicle technology, in particular for pedal monitoring and/or throttle monitoring.